

# Parametrically Excited Microelectromechanical System in Navigation Problems

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## Abstract

© 2018 IEEE. The analysis of the operation of a microelectromechanical system under conditions of parametric modulation of the static stiffness of the rotor in the coherent mode of excitation of its oscillations has carried out. The corresponding mathematical model have constructed, numerical experiments have carried out. Based on this results a method of extending the functional capabilities of navigation devices has proposed.

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